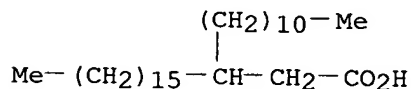


RN 135424-32-7 REGISTRY  
ED Entered STN: 09 Aug 1991  
CN Nonadecanoic acid, 3-undecyl- (CA INDEX NAME)  
OTHER CA INDEX NAMES:  
CN Nonadecanoic acid, 3-undecyl-, (±)-  
MF C30 H60 O2  
SR CA  
LC STN Files: CA, CAPLUS, TOXCENTER, USPATFULL



\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

2 REFERENCES IN FILE CA (1907 TO DATE)  
2 REFERENCES IN FILE CAPLUS (1907 TO DATE)

=> file caplus

COST IN U.S. DOLLARS

SINCE FILE	TOTAL
ENTRY	SESSION
7.80	29.31

FULL ESTIMATED COST

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)

SINCE FILE	TOTAL
ENTRY	SESSION
0.00	-0.78

CA SUBSCRIBER PRICE

FILE 'CAPLUS' ENTERED AT 05:33:03 ON 29 NOV 2007

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FILE COVERS 1907 - 29 Nov 2007 VOL 147 ISS 23

FILE LAST UPDATED: 28 Nov 2007 (20071128/ED)

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<http://www.cas.org/infopolicy.html>

=> 15

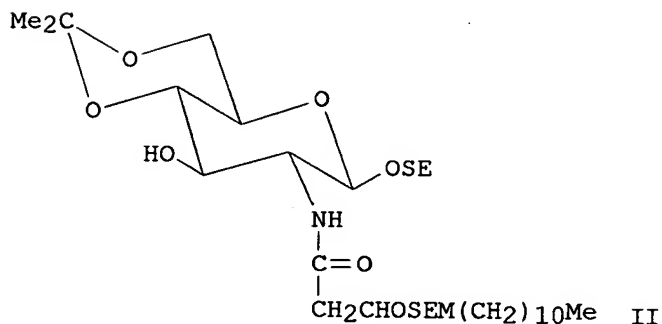
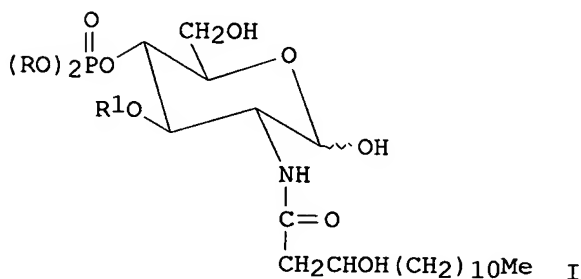
L6 2 L5

=> d 15 1-2 ti fbib abs

YOU HAVE REQUESTED DATA FROM FILE 'REGISTRY' - CONTINUE? (Y)/N:n

=> d 16 1-2 ti fbib abs

L6 ANSWER 1 OF 2 CAPLUS COPYRIGHT 2007 ACS on STN  
 TI Synthesis of 3-O-(alkyl-branched acyl)-2-deoxy-2-[(3R)-3-hydroxytetradecanamido]-4-O-phosphono-D-glucose derivatives related to bacterial lipid A  
 AN 1993:517679 CAPLUS  
 DN 119:117679  
 TI Synthesis of 3-O-(alkyl-branched acyl)-2-deoxy-2-[(3R)-3-hydroxytetradecanamido]-4-O-phosphono-D-glucose derivatives related to bacterial lipid A  
 AU Ogawa, Yuji; Wakida, Motoji; Ishida, Hideharu; Kiso, Makoto; Hasegawa, Akira  
 CS Dep. Appl. Bioorg. Chem., Gifu Univ., Gifu, 501-11, Japan  
 SO Carbohydrate Research (1993), 242, 303-9  
 CODEN: CRBRAT; ISSN: 0008-6215  
 DT Journal  
 LA English  
 GI

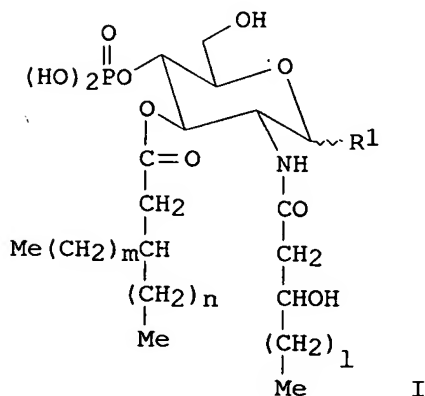


AB Analogs I [R = H, Ph; R1 = Me(CH2)nCH{(CH2)8Me}CH2CO, n = 11, 13, 15, 17; R1 = Me(CH2)nCH{(CH2)10Me}CH2CO, n = 11, 13, 15, 17; R1 = Me(CH2)nCH{(CH2)11Me}CH2CO, n = 9, 11, 13, 15, 17], of the nonreducing sugar subunit of bacterial lipid A, were prepared from 2-amino-2-deoxy-β-D-glucopyranoside II via acylation with branched fatty acids. I were tested for mitogenicity, macrophage activation, cytokine induction, and immunostimulatory activity.

L6 ANSWER 2 OF 2 CAPLUS COPYRIGHT 2007 ACS on STN  
 TI Preparation of lipid A monosaccharide analogs as immunostimulants and antitumor agents  
 AN 1991:680476 CAPLUS  
 DN 115:280476  
 TI Preparation of lipid A monosaccharide analogs as immunostimulants and antitumor agents  
 IN Hasegawa, Akira; Kiso, Makoto; Uesato, Shinichi; Suzuki, Masanobu; Ishida,

Tomio  
 PA Japan Tobacco, Inc., Japan  
 SO PCT Int. Appl., 66 pp.  
 CODEN: PIXXD2  
 DT Patent  
 LA Japanese  
 FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 9104259	A1	19910404	WO 1990-JP1208	19900920
	W: CA, KR, US				
	RW: AT, BE, CH, DE, DK, ES, FR, GB, IT, NL, SE				
	JP 03106894	A	19910507	JP 1989-241866	A 19890920
	JP 06055749	B	19940727	JP 1989-241866	19890920
	CA 2042053	A1	19910321	CA 1990-2042053	19900920
	CA 2042053	C	19930810		
				JP 1989-241866	A 19890920
	EP 444208	A1	19910904	EP 1990-913732	19900920
	R: AT, BE, CH, DE, DK, ES, FR, GB, IT, LI, NL, SE				
				JP 1989-241866	A 19890920
				WO 1990-JP1208	W 19900920
	US 5191072	A	19930302	US 1991-689770	19910717
				JP 1989-241866	A 19890920
				WO 1990-JP1208	W 19900920
OS	MARPAT 115:280476				
GI					



AB Lipid A nonreducing subunit analogs (I; R1 = H, OH; l = 8-14; m = 1-17; n = 8-14) are prepared. Thus, esterification of 1,5-anhydro-2-deoxy-4,6-O-isopropylidene-2-[(3R)-3-[2-(trimethylsilyl)ethoxymethoxy]tetradecanamide]-D-glucitol with (RS)-3-undecylheptadecanoic acid in CH2Cl2 in the presence of 1-ethyl-3-(3-dimethylaminopropyl)carbodiimide.HCl, deisopropylidenation of the resulting 3-ester with 80% aqueous AcOH at 50°, selective 6-O-silylation with Me3CSiPh2Cl in pyridine, 4-O-phosphorylation with (PhO)2P(O)Cl in pyridine/CH2Cl2, removal of the trimethylsilylethyl group with BF3.Et2O in CH2Cl2, and hydrogenolysis over PtO2 in EtOH/MeOH gave I (R1 = H, l = m = 10, n = 13) (II). II at 0.5 mg/kg extended 80% the survival rate of mice receiving cyclophosphamide at 200 mg/kg i.p. and infected with Escherichia coli 1 day later.

=> logoff hold  
 COST IN U.S. DOLLARS

SINCE FILE TOTAL  
 ENTRY SESSION

FULL ESTIMATED COST	8.95	38.26
DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE	TOTAL
CA SUBSCRIBER PRICE	ENTRY	SESSION
	-1.56	-2.34

SESSION WILL BE HELD FOR 120 MINUTES  
STN INTERNATIONAL SESSION SUSPENDED AT 05:37:28 ON 29 NOV 2007

Connecting via Winsock to STN

Welcome to STN International! Enter x:x

LOGINID:SSSPTA1623PAZ

PASSWORD:

\* \* \* \* \* RECONNECTED TO STN INTERNATIONAL \* \* \* \* \*  
SESSION RESUMED IN FILE 'CAPLUS' AT 05:39:54 ON 29 NOV 2007  
FILE 'CAPLUS' ENTERED AT 05:39:54 ON 29 NOV 2007  
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COST IN U.S. DOLLARS	SINCE FILE	TOTAL
FULL ESTIMATED COST	ENTRY	SESSION
	8.95	38.26
DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE	TOTAL
CA SUBSCRIBER PRICE	ENTRY	SESSION
	-1.56	-2.34

=> FIL STNGUIDE

COST IN U.S. DOLLARS	SINCE FILE	TOTAL
FULL ESTIMATED COST	ENTRY	SESSION
	9.42	38.73
DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE	TOTAL
CA SUBSCRIBER PRICE	ENTRY	SESSION
	-1.56	-2.34

FILE 'STNGUIDE' ENTERED AT 05:40:19 ON 29 NOV 2007  
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FILE CONTAINS CURRENT INFORMATION.  
LAST RELOADED: Nov 23, 2007 (20071123/UP).

=> DIS SAVED

NAME	CREATED	NOTES/TITLE
ALKCARBFNDS/A	24 JUL 2006	1991 ANSWERS IN FILE REGISTRY
CALIXRAW/A	TEMP	129 ANSWERS IN FILE REGISTRY
CARBONYLSRCH/L	TEMP	12 L-NUMBERS
COREHITREFS/A	TEMP	17 ANSWERS IN FILE CAPLUS
HETGUERBRAW/A	TEMP	213 ANSWERS IN FILE REGISTRY
HETGUERBREFS/A	TEMP	45 ANSWERS IN FILE CAPLUS
MSTSETRAW/A	TEMP	896 ANSWERS IN FILE REGISTRY
MSTSETREFS/A	TEMP	294 ANSWERS IN FILE CAPLUS
PLYETHRAMINS/A	13 JUL 2007	299 ANSWERS IN FILE REGISTRY
PSYCHSERCH/L	TEMP	9 L-NUMBERS
PSYCONRAW/A	TEMP	162 ANSWERS IN FILE REGISTRY
PSYCONREFS/A	TEMP	317 ANSWERS IN FILE CAPLUS

REFNDFNDS/A	24 JUL 2006	1255 ANSWERS IN FILE REGISTRY
RWMSTRLST/A	TEMP	67 ANSWERS IN FILE REGISTRY
SUPERSET/A	TEMP	67 ANSWERS IN FILE REGISTRY
TBUTCARBFNDS/A	24 JUL 2006	736 ANSWERS IN FILE REGISTRY
THIAFINDS/A	06 FEB 2007	113 ANSWERS IN FILE REGISTRY
TWOAMINOPOLY/Q	16 APR 2001	UPLOADED STRUCTURE

=> DIS SAVED/S  
NO SAVED SDI REQUESTS

=> ACT CARBONYLSRCH/L

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L7          STR
L8 (         0)SEA FILE=REGISTRY SSS SAM L7
L9 (        10)SEA FILE=REGISTRY SSS FUL L7
L10 (       7)SEA FILE=CAPLUS ABB=ON  PLU=ON  L9
L11          STR
L12          STR
L13 (       7)SEA FILE=REGISTRY SUB=L9 SSS FUL L12
L14 (      23)SEA FILE=CAPLUS ABB=ON  PLU=ON  DHIS
L15          STR
L16 (       0)SEA FILE=CASREACT SSS SAM L15 (      0 REACTIONS)
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L18 (       3)SEA FILE=CAPLUS ABB=ON  PLU=ON  L17

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=> FIL REGISTRY

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	ENTRY	SESSION
FULL ESTIMATED COST	0.12	38.85
DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE	TOTAL
	ENTRY	SESSION
CA SUBSCRIBER PRICE	0.00	-2.34

FILE 'REGISTRY' ENTERED AT 05:41:15 ON 29 NOV 2007  
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STRUCTURE FILE UPDATES: 28 NOV 2007 HIGHEST RN 956214-95-2  
DICTIONARY FILE UPDATES: 28 NOV 2007 HIGHEST RN 956214-95-2

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experimental property data in the original document. For information  
on property searching in REGISTRY, refer to:

<http://www.cas.org/support/stngen/stdndoc/properties.html>

=> ACT HETGUERBRAW/A

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L19          STR
L20          213 SEA FILE=REGISTRY SSS FUL L19

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=> FIL CAPLUS

COST IN U.S. DOLLARS

SINCE FILE	TOTAL
ENTRY	SESSION
0.45	39.30

FULL ESTIMATED COST

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)

SINCE FILE	TOTAL
ENTRY	SESSION
0.00	-2.34

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FILE 'CAPLUS' ENTERED AT 05:41:17 ON 29 NOV 2007

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FILE COVERS 1907 - 29 Nov 2007 VOL 147 ISS 23

FILE LAST UPDATED: 28 Nov 2007 (20071128/ED)

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=> ACT HETGUERBREFS/A

L21 STR

L22 ( 213)SEA FILE=REGISTRY SSS FUL L21

L23 45 SEA FILE=CAPLUS ABB=ON PLU=ON L22

=> file caplus

COST IN U.S. DOLLARS

SINCE FILE	TOTAL
ENTRY	SESSION
0.47	39.77

FULL ESTIMATED COST

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)

SINCE FILE	TOTAL
ENTRY	SESSION
0.00	-2.34

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FILE 'CAPLUS' ENTERED AT 05:41:30 ON 29 NOV 2007

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FILE COVERS 1907 - 29 Nov 2007 VOL 147 ISS 23  
FILE LAST UPDATED: 28 Nov 2007 (20071128/ED)

Effective October 17, 2005, revised CAS Information Use Policies apply.  
They are available for your review at:

<http://www.cas.org/infopolicy.html>

=> cosmet?

L24 87420 COSMET?

=> l23 and l24

L25 4 L23 AND L24

=> d l25 1-4 ti

L25 ANSWER 1 OF 4 CAPLUS COPYRIGHT 2007 ACS on STN

TI Preparation of carbonyl compounds containing long-chain branched alkyl group

L25 ANSWER 2 OF 4 CAPLUS COPYRIGHT 2007 ACS on STN

TI Di-guerbet esters in personal care applications

L25 ANSWER 3 OF 4 CAPLUS COPYRIGHT 2007 ACS on STN

TI Sebum secretion-inhibiting cosmetics containing hydroxycarboxylic acids and branched alcohols, fatty acids, or esters

L25 ANSWER 4 OF 4 CAPLUS COPYRIGHT 2007 ACS on STN

TI Hair cosmetic composition containing fatty acid esters and aromatic alcohol and cationic surfactants

=> d l25 1-4 ti fbib abs it

L25 ANSWER 1 OF 4 CAPLUS COPYRIGHT 2007 ACS on STN

TI Preparation of carbonyl compounds containing long-chain branched alkyl group

AN 2005:902841 CAPLUS

DN 143:229451

TI Preparation of carbonyl compounds containing long-chain branched alkyl group

IN Sato, Haruhito; Kashiwamura, Takashi; Okamoto, Takuji; Yokota, Kiyohiko  
PA Idemitsu Kosan Co., Ltd., Japan

SO PCT Int. Appl., 32 pp.

CODEN: PIXXD2

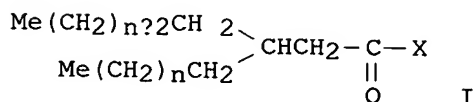
DT Patent

LA Japanese

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2005077876	A1	20050825	WO 2005-JP1223	20050128
	W:				
	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
	RW:				
	BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				

EP 1710225 A1 20061011 JP 2004-20493 A 20040128  
 R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, 20050128  
 IE, SI, LT, FI, RO, CY, TR, BG, CZ, EE, HU, PL, SK, IS  
 JP 2004-20493 A 20040128  
 WO 2005-JP1223 W 20050128  
 OS MARPAT 143:229451  
 GI



- AB Alkanal or fatty acid compds. containing a long-chain branched alkyl group represented by the following formula (I) (X = H, HO, alkoxy, or a group derived from a polyol; n = an integer of 4 to 30) are prepared These compds. have excellent low-temperature flowability, a high b.p., and excellent biodegradability and are useful as synthetic lubricating oils for engines, cosmetic base, and plastic modifiers. Thus, a solution of 8.0 g 2-octyl-1-bromodecane in dry THF was added dropwise to a suspension of 3 g Mg (activated by dibromoethane) in 30 mL dry THF and stirred for 2 h. The reaction mixture was ice-cooled, treated with 2.0 mL di-Me carbonate, and stirred overnight at room temperature (25°) and filtered, extracted with hexane, followed by removing the solvent from the hexane extract under reduced pressure and distillation at 180-190° at 0.15 mmHg to give 5.0 g 3-octyltridecanoic acid Me ester (II). II (5.0 g) was added to a solution of 1.7 g KOH in 30 mL H<sub>2</sub>O, stirred at 80° for 5 h, acidified with dilute HCl, extracted with Et<sub>2</sub>O to give 4.2 g 3-octyltridecanoic acid (III). Both II and III did not lose flowability when they were cooled at -20°.
- IT Aldehydes, preparation  
 RL: COS (Cosmetic use); SPN (Synthetic preparation); TEM (Technical or engineered material use); BIOL (Biological study); PREP (Preparation); USES (Uses)  
 (aliphatic; preparation of biodegradable alkanal and fatty acid compds. containing long-chain branched alkyl as synthetic lubricating oils for engines, cosmetic base, and plastic modifiers)
- IT Cosmetics  
 (cosmetic base; preparation of biodegradable alkanal and fatty acid compds. containing long-chain branched alkyl as synthetic lubricating oils for engines, cosmetic base, and plastic modifiers)
- IT Fatty acids, preparation  
 RL: COS (Cosmetic use); SPN (Synthetic preparation); TEM (Technical or engineered material use); BIOL (Biological study); PREP (Preparation); USES (Uses)  
 (esters; preparation of biodegradable alkanal and fatty acid compds. containing long-chain branched alkyl as synthetic lubricating oils for engines, cosmetic base, and plastic modifiers)
- IT Plastics, preparation  
 RL: PNU (Preparation, unclassified); PREP (Preparation)  
 (modifiers; preparation of biodegradable alkanal and fatty acid compds. containing long-chain branched alkyl as synthetic lubricating oils for engines, cosmetic base, and plastic modifiers)
- IT Biodegradable materials  
 (preparation of biodegradable alkanal and fatty acid compds. containing long-chain branched alkyl as synthetic lubricating oils for engines, cosmetic base, and plastic modifiers)
- IT Fatty acids, preparation



RL: COS (Cosmetic use); SPN (Synthetic preparation); TEM (Technical or engineered material use); BIOL (Biological study); PREP (Preparation); USES (Uses)  
 (preparation of biodegradable alkanal and fatty acid compds. containing long-chain branched alkyl as synthetic lubricating oils for engines, cosmetic base, and plastic modifiers)

IT Lubricating oils  
 (synthetic; preparation of biodegradable alkanal and fatty acid compds. containing long-chain branched alkyl as synthetic lubricating oils for engines, cosmetic base, and plastic modifiers)

IT 86325-68-0P, 3-Octyltridecanoic acid  
 RL: COS (Cosmetic use); IMF (Industrial manufacture); RCT (Reactant); SPN (Synthetic preparation); TEM (Technical or engineered material use); BIOL (Biological study); PREP (Preparation); RACT (Reactant or reagent); USES (Uses)  
 (preparation of biodegradable alkanal and fatty acid compds. containing long-chain branched alkyl as synthetic lubricating oils for engines, cosmetic base, and plastic modifiers)

IT 862736-28-5P, 3-Octyltridecanoic acid 2-octyldodecyl ester  
 RL: COS (Cosmetic use); IMF (Industrial manufacture); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses)  
 (preparation of biodegradable alkanal and fatty acid compds. containing long-chain branched alkyl as synthetic lubricating oils for engines, cosmetic base, and plastic modifiers)

IT 85120-23-6P, 3-Octyltridecanoic acid methyl ester  
 RL: COS (Cosmetic use); RCT (Reactant); SPN (Synthetic preparation); TEM (Technical or engineered material use); BIOL (Biological study); PREP (Preparation); RACT (Reactant or reagent); USES (Uses)  
 (preparation of biodegradable alkanal and fatty acid compds. containing long-chain branched alkyl as synthetic lubricating oils for engines, cosmetic base, and plastic modifiers)

IT 37624-31-0P, 2-Octyl-1-dodecene 86325-76-0P, 3-Octyltridecanoyl chloride  
 862736-29-6P, 3-Octyltridecanal  
 RL: IMF (Industrial manufacture); RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)  
 (preparation of biodegradable alkanal and fatty acid compds. containing long-chain branched alkyl as synthetic lubricating oils for engines, cosmetic base, and plastic modifiers)

IT 862736-30-9P, 3-Octyltridecanoic acid octyl ester  
 RL: IMF (Industrial manufacture); SPN (Synthetic preparation); PREP (Preparation)  
 (preparation of biodegradable alkanal and fatty acid compds. containing long-chain branched alkyl as synthetic lubricating oils for engines, cosmetic base, and plastic modifiers)

IT 862736-27-4P  
 RL: IMF (Industrial manufacture); SPN (Synthetic preparation); TEM (Technical or engineered material use); PREP (Preparation); USES (Uses)  
 (preparation of biodegradable alkanal and fatty acid compds. containing long-chain branched alkyl as synthetic lubricating oils for engines, cosmetic base, and plastic modifiers)

IT 68-12-2, Dimethylformamide, reactions 77-99-6, 1,1,1-Tris(hydroxymethyl)propane 111-87-5, 1-Octanol, reactions 616-38-6, Dimethyl carbonate 630-08-0, Carbon monoxide, reactions 872-05-9, 1-Decene 5333-42-6, 2-Octyldodecanol  
 RL: RCT (Reactant); RACT (Reactant or reagent)  
 (preparation of biodegradable alkanal and fatty acid compds. containing long-chain branched alkyl as synthetic lubricating oils for engines, cosmetic base, and plastic modifiers)

IT 69620-20-8P, 2-Octyl-1-bromododecane  
 RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)  
 (preparation of biodegradable alkanal and fatty acid compds. containing long-chain branched alkyl as synthetic lubricating oils for engines,

cosmetic base, and plastic modifiers)  
 RE.CNT 13 THERE ARE 13 CITED REFERENCES AVAILABLE FOR THIS RECORD  
 ALL CITATIONS AVAILABLE IN THE RE FORMAT

L25 ANSWER 2 OF 4 CAPLUS COPYRIGHT 2007 ACS on STN  
 TI Di-guerbet esters in personal care applications  
 AN 1997:411075 CAPLUS  
 DN 127:99525  
 TI Di-guerbet esters in personal care applications  
 IN O'lenick, Anthony J., Jr.  
 PA Siltech Inc, USA  
 SO U.S., 5 pp., Cont.-in-part of U.S. 5,488,121.  
 CODEN: USXXAM  
 DT Patent  
 LA English  
 FAN.CNT 4

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	US 5639791	A	19970617	US 1995-548737	19951026
				US 1994-332135	A2 19941031
	US 5488121	A	19960130	US 1994-332135	19941031
	US 5717119	A	19980210	US 1996-779972	19961223
				US 1994-332135	A2 19941031
				US 1995-548737	A2 19951026
	US 5744626	A	19980428	US 1996-807909	19961226
				US 1994-332135	A2 19941031
				US 1995-548737	A2 19951026

PATENT FAMILY INFORMATION:

FAN 1996:228944

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	US 5488121	A	19960130	US 1994-332135	19941031
	US 5639791	A	19970617	US 1995-548737	19951026
				US 1994-332135	A2 19941031
	US 5717119	A	19980210	US 1996-779972	19961223
				US 1994-332135	A2 19941031
				US 1995-548737	A2 19951026
	US 5744626	A	19980428	US 1996-807909	19961226
				US 1994-332135	A2 19941031
				US 1995-548737	A2 19951026

FAN 1998:140769

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	US 5717119	A	19980210	US 1996-779972	19961223
				US 1994-332135	A2 19941031
				US 1995-548737	A2 19951026
	US 5488121	A	19960130	US 1994-332135	19941031
	US 5639791	A	19970617	US 1995-548737	19951026
				US 1994-332135	A2 19941031

FAN 1998:277245

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	US 5744626	A	19980428	US 1996-807909	19961226
				US 1994-332135	A2 19941031
				US 1995-548737	A2 19951026
	US 5488121	A	19960130	US 1994-332135	19941031
	US 5639791	A	19970617	US 1995-548737	19951026
				US 1994-332135	A2 19941031

OS MARPAT 127:99525

AB The utilization of certain novel di-guerbet esters which are prepared by the reaction of a guerbet alc. and a guerbet acid in personal care applications is disclosed. These esters provide lubrication, solvent and dry feel attributes to personal care applications. The time it took for

0.5 mL of hexyldecyl hexyldecanoate applied to the skin to be dry was 11 s while for C32-40 esters was significantly much longer.

IT Cosmetics

Hair preparations

(conditioners; di-guerbet in personal care applications)

IT Esters, biological studies

RL: BUU (Biological use, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses)

(di-guerbet in personal care applications)

IT 134112-35-9P 192000-16-1P 192000-17-2P 192000-18-3P

192000-19-4P 192000-20-7P 192000-21-8P 192000-23-0P

192000-25-2P

RL: BUU (Biological use, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses)

(di-guerbet in personal care applications)

L25 ANSWER 3 OF 4 CAPLUS COPYRIGHT 2007 ACS on STN

TI Sebum secretion-inhibiting cosmetics containing

hydroxycarboxylic acids and branched alcohols, fatty acids, or esters

AN 1996:577085 CAPLUS

DN 125:204139

TI Sebum secretion-inhibiting cosmetics containing

hydroxycarboxylic acids and branched alcohols, fatty acids, or esters

IN Tanahashi, Masanori; Minami, Takahide

PA Kao Corp, Japan

SO Jpn. Kokai Tokkyo Koho, 7 pp.

CODEN: JKXXAF

DT Patent

LA Japanese

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	JP 08183724	A	19960716	JP 1994-328139	19941228
				JP 1994-328139	19941228

OS MARPAT 125:204139

AB Stable cosmetics, which prevent acne, dandruff, alopecia, etc., contain  $R_1(CH_2)_nCO_2H$  ( $R_1 = \geq 1$  OH-substituted C1-8 linear or branched alkyl;  $n = 1-18$ ) (total number of C 6-20) and C16-22 branched alcs., branched fatty acids, or their esters with total number of C 17-50 and m.p.  $\leq 30^\circ$ . The branched compds. prevent crystallization of the hydroxycarboxylic acids in cosmetic preps. As an example, a skin cosmetic contained 10-hydroxydodecanoic acid 3.0, 2-hexyldecanol 2.0, ethoxylated hardened castor oil 1.0, xanthan gum 0.5, ethanol, preservatives, and purified water to 100 %.

IT Acne

Alopecia

Cosmetics

Dandruff

Hair preparations

Stabilizing agents

(cosmetics containing hydroxycarboxylic acids and branched compds. as stabilizers for prevention of acne, dandruff, and alopecia)

IT Sebum

(secretion prevention of; cosmetics containing hydroxycarboxylic acids and branched compds. as stabilizers for prevention of acne, dandruff, and alopecia)

IT Alcohols, biological studies

Fatty acids, biological studies

RL: BUU (Biological use, unclassified); MOA (Modifier or additive use); BIOL (Biological study); USES (Uses)

(branched, C16-22; cosmetics containing hydroxycarboxylic acids and branched compds. as stabilizers for prevention of acne, dandruff, and alopecia)

IT Fatty acids, biological studies  
 RL: BUU (Biological use, unclassified); MOA (Modifier or additive use);  
 BIOL (Biological study); USES (Uses)  
 (branched, esters, C16-22; cosmetics containing hydroxycarboxylic  
 acids and branched compds. as stabilizers for prevention of acne,  
 dandruff, and alopecia)

IT Carboxylic acids, biological studies  
 RL: BUU (Biological use, unclassified); MOA (Modifier or additive use);  
 BIOL (Biological study); USES (Uses)  
 (hydroxy, C6-20; cosmetics containing hydroxycarboxylic acids and  
 branched compds. as stabilizers for prevention of acne, dandruff, and  
 alopecia)

IT 106-14-9, 12-Hydroxystearic acid 505-95-3, 12-Hydroxydodecanoic acid  
 6336-28-3, 10-Hydroxyundecanoic acid 14202-03-0, 10-Hydroxydodecanoic  
 acid 32459-66-8, 11-Hydroxydodecanoic acid 115656-09-2 115656-10-5  
 181319-55-1 181319-56-2  
 RL: BUU (Biological use, unclassified); BIOL (Biological study); USES  
 (Uses)  
 (cosmetics containing hydroxycarboxylic acids and branched  
 compds. as stabilizers for prevention of acne, dandruff, and alopecia)

IT 619-39-6, 2-Octyldecanoic acid 2425-77-6, 2-Hexyldecanol 2724-58-5,  
 Isostearic acid 5333-42-6, 2-Octyldodecanol 45235-48-1, 2-Octyldecanol  
 57568-20-4 67938-21-0, Diglyceryl diisostearate 181319-47-1  
 181319-48-2 181319-49-3 181319-50-6 181319-51-7 181319-52-8  
 181319-53-9 181319-54-0 181381-86-2 181381-87-3 181381-88-4  
 181381-97-5  
 RL: BUU (Biological use, unclassified); MOA (Modifier or additive use);  
 BIOL (Biological study); USES (Uses)  
 (cosmetics containing hydroxycarboxylic acids and branched  
 compds. as stabilizers for prevention of acne, dandruff, and alopecia)

L25 ANSWER 4 OF 4 CAPLUS COPYRIGHT 2007 ACS on STN

TI Hair cosmetic composition containing fatty acid esters and  
 aromatic alcohol and cationic surfactants

AN 1994:226513 CAPLUS

DN 120:226513

TI Hair cosmetic composition containing fatty acid esters and  
 aromatic alcohol and cationic surfactants

IN Ochiai, Ryuji; Morita, Kouzi; Yahagi, Kazuyuki

PA Kao Corp., Japan

SO PCT Int. Appl., 38 pp.

CODEN: PIXXD2

DT Patent

LA English

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 9402111	A1	19940203	WO 1993-JP980	19930714
	W: US				
	RW: DE, GB, NL				
				JP 1992-194122	A 19920721
				JP 1993-21456	A 19930209
	JP 06087724	A	19940329	JP 1993-21456	19930209
	JP 3229689	B2	20011119		
				JP 1992-194122	A1 19920721
	EP 651632	A1	19950510	EP 1993-916166	19930714
	EP 651632	B1	19971015		
	R: DE, GB, NL				
				JP 1992-194122	A 19920721
				JP 1993-21456	A 19930209
				WO 1993-JP980	W 19930714
	US 5587155	A	19961224	US 1995-367228	19950118
				JP 1992-194122	A 19920721

- OS MARPAT 120:226513
- AB A hair cosmetic composition contains (a)  $\geq 1$  C12-40 fatty acids and esters thereof, (b)  $\geq 1$  aromatic alc. (Markush structure given), e.g. benzyl alc., and (c)  $\geq 1$  cationic surfactant. A hair treatment composition contained 2-dodecylhexadecyltrimethylammonium chloride 1.5, stearyltrimethylammonium chloride 2.0, cetostearyl alc. 3.0, oleic acid monoglyceride 1.0, benzyl alc. 5.0, liquid paraffin 3.0, hydroxyethyl cellulose 0.5, methylparaben 0.2, perfume 0.4, and water q.s. 100%.
- IT Hair preparations  
Shampoos  
(fatty acid esters and aromatic alc. and cationic surfactants in)
- IT Quaternary ammonium compounds, biological studies  
RL: PREP (Preparation)  
(hair preps. containing fatty acid esters and aromatic alcs. and)
- IT Fatty acids, biological studies  
RL: PREP (Preparation)  
(C12-40, hair preps. containing aromatic alc. and cationic surfactants and)
- IT Alcohols, biological studies  
RL: PREP (Preparation)  
(aralkyl, hair preps. containing fatty acid esters and cationic surfactants and)
- IT Surfactants  
(cationic, hair preps. containing fatty acid esters and aromatic alcs. and)
- IT Hair preparations  
(conditioners, fatty acid esters and aromatic alc. and cationic surfactants in)
- IT Hair preparations  
(conditioners, styling, fatty acid esters and aromatic alc. and cationic surfactants in)
- IT Fatty acids, esters  
RL: PREP (Preparation)  
(esters, hair preps. containing aromatic alc. and cationic surfactants and)
- IT Alcohols, biological studies  
RL: PREP (Preparation)  
(lower, hair preps. containing fatty acid esters and aromatic alcs. and cationic surfactants and)
- IT Hair preparations  
(mousses, fatty acid esters and aromatic alc. and cationic surfactants in)
- IT Alcohols, biological studies  
RL: PREP (Preparation)  
(polyhydric, hair preps. containing fatty acid esters and aromatic alcs. and cationic surfactants and)
- IT Hair preparations  
(rinses, fatty acid esters and aromatic alc. and cationic surfactants in)
- IT Hair preparations  
(wave-setting, fatty acid esters and aromatic alc. and cationic surfactants in)
- IT 57-11-4, Stearic acid, biological studies 112-85-6, Behenic acid 120-40-1, Lauric acid diethanolamide 143-07-7, Lauric acid, biological studies 557-59-5, Lignoceric acid 2363-71-5, Heneicosanoic acid 22890-21-7, 2-Heptylundecanoic acid 25496-72-4, Oleic acid monoglyceride 30399-84-9, Isostearic acid 31566-31-1, Stearic acid monoglyceride 36332-93-1, 18-Methyleicosanoic acid 83826-43-1, Octyldodecyl myristate 131747-49-4, 2-Isoheptylisoundecanoic acid 145066-77-9, 3-Nonyldodecanoic acid  
RL: BIOL (Biological study)  
(hair preps. containing aromatic alc. and cationic surfactants and)
- IT 107-64-2, Distearyltrimethylammonium chloride 112-03-8, Stearyltrimethylammonium chloride 103807-17-6, N-(2-Decyltetradecyl)-N,N,N-trimethylammonium chloride

RL: BIOL (Biological study)  
 (hair prepns. containing fatty acid esters and aromatic alcs. and)  
 IT 56-81-5, Glycerol, biological studies 57-55-6, Propylene glycol,  
 biological studies 107-21-1, Ethylene glycol, biological studies  
 107-88-0, 1,3-Butanediol 25265-71-8, Dipropylene glycol  
 RL: BIOL (Biological study)  
 (hair prepns. containing fatty acid esters and aromatic alcs. and cationic  
 surfactants and)  
 IT 60-12-8, Phenethyl alcohol 100-51-6, Benzyl alcohol, biological studies  
 104-54-1, Cinnamyl alcohol 105-13-5, p-Anisyl alcohol 122-99-6,  
 Phenoxyethanol 589-18-4, p-Methylbenzyl alcohol 622-08-2,  
 2-Benzyloxyethanol  
 RL: BIOL (Biological study)  
 (hair prepns. containing fatty acid esters and cationic surfactants and)

=> logoff hold

COST IN U.S. DOLLARS

SINCE FILE	TOTAL
ENTRY	SESSION
27.23	67.00

FULL ESTIMATED COST

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)

SINCE FILE	TOTAL
ENTRY	SESSION
-3.12	-5.46

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STN INTERNATIONAL SESSION SUSPENDED AT 05:47:03 ON 29 NOV 2007